

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 450 AND ADMIRAL DRIVE IN ANNE ARUNDEL COUNTY. MD 450 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

CONTROLLER OPERATION

THE EXISTING CONTROLLER OPERATES IN A FOUR PHASE FULL-TRAFFIC-ACTUATED MODE WITH AN ALTERNATE PEDESTRIAN PHASE ACROSS THE EAST LEG OF MD 450 AND A CONCURRENT PHASE ACROSS ADMIRAL DRIVE AND IS HOUSED IN A POLE MOUNTED CABINET. THE CONTROLLER OPERATION WILL NOT CHANGE.

PHASING WILL REMAIN THE SAME

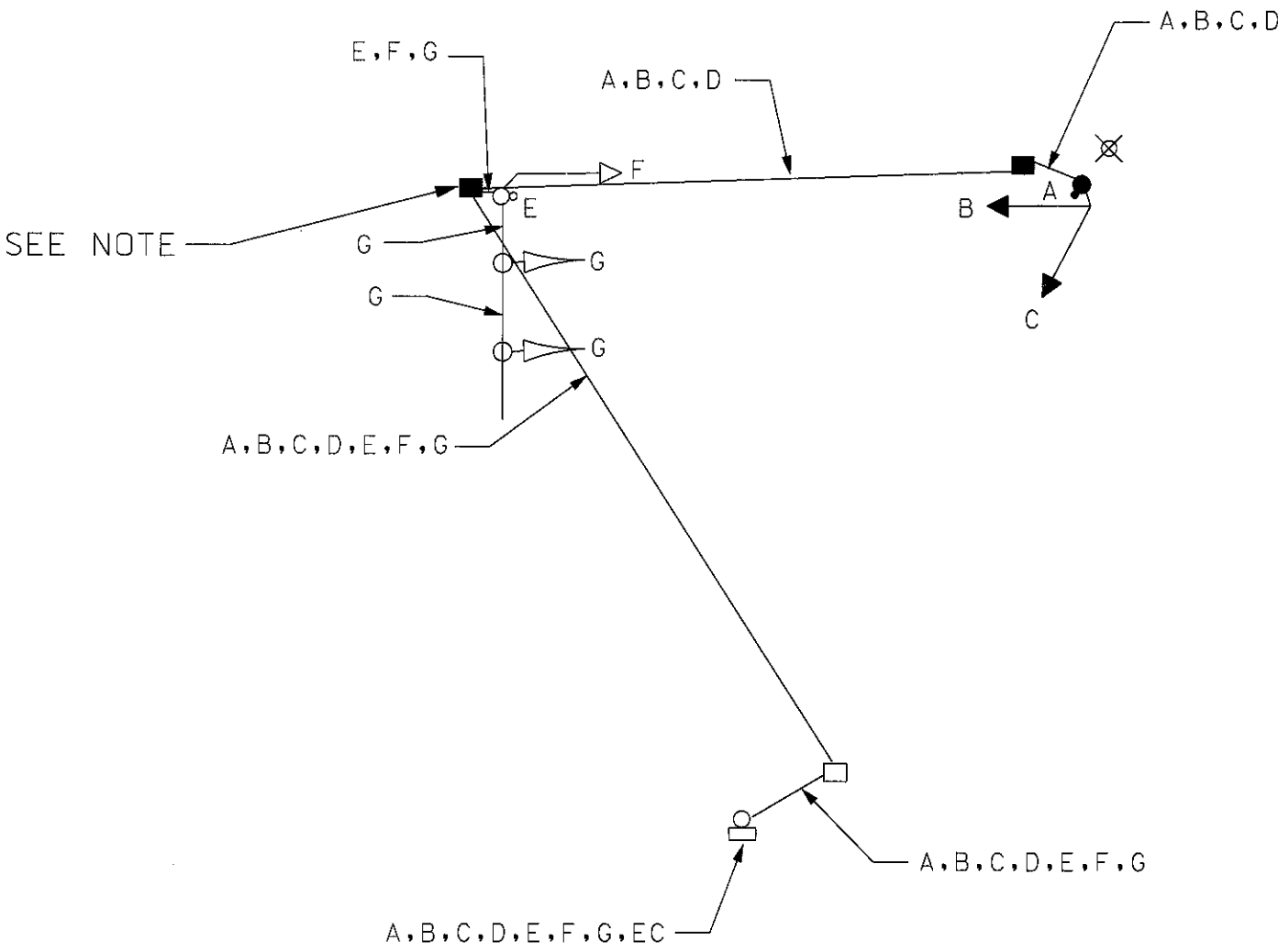
EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	LS	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
5004	95 LF	FURNISH AND INSTALL 12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
8010	4 EA	FURNISH AND INSTALL PEDESTRIAN SIGNAL HEAD SECTION
8030	1 EA	FURNISH AND INSTALL PEDESTAL POLE ANY SIZE
8032	1 EA	FURNISH AND INSTALL PUSHBUTTON AND SIGN
8048	LS	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
8067	130 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
8057	1 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8060	155 LF	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8072	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8080	1 EA	FURNISH AND INSTALL GROUND ROD 3/4 IN. DIAMETER BY 10 FT. LENGTH
8082	165 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (NO. 14 A.W.G.)
8083	350 LF	FURNISH AND INSTALL ELECTRICAL CABLE 3-CONDUCTOR (NO. 14 A.W.G.)
8091	10 LF	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
---	1 EA	REPLACE HANDHOLE FRAME AND COVER
---	300 LF	REMOVE AND RE-INSTALL EXISTING CABLE

WIRING DIAGRAM

NOTE: DISCONNECT EXISTING WIRES (E,F,G) FROM CONTROLLER AND PULL BACK TO THIS EXISTING HANDHOLE. RE-INSTALL THROUGH NEW CONDUIT TO THE CONTROLLER.



WIRING KEY

- A 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B-C 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- D STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- E EXISTING 2-CONDUCTOR (NO. 14 A.W.G.)
- F EXISTING 3-CONDUCTOR (NO. 14 A.W.G.)
- G EXISTING 7-CONDUCTOR (NO. 14 A.W.G.)
- EC EXISTING CABLE
- X GROUND ROD

EQUIPMENT LIST "A"

A. APPROVED SHA EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

- MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 841-1002
- MR. LARRY ELLIOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 841-1003
- MR. CHARLES GEORGE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 841-1002

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

- MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630
- MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676
- MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631
- MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668
- MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

SHALL BECOME THE PROPERTY OF THE CONTRACTOR

TRAFFIC CONCEPTS, INC.

325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION
MD 450 (WEST STREET) AND ADMIRAL DRIVE

DRAWN BY: M.HOWELL	F.A.P. NO.	TS NO.	SHEET NO. 2 OF 2
CHECKED BY: T.ZAYDEL	S.H.A. NO.	1415 B	
SCALE: 1" = 20'	COUNTY: ANNE ARUNDEL	T.J.M.S. NO.	
DATE: 4-28-02	LOG MILE: 02045010.78	F436	